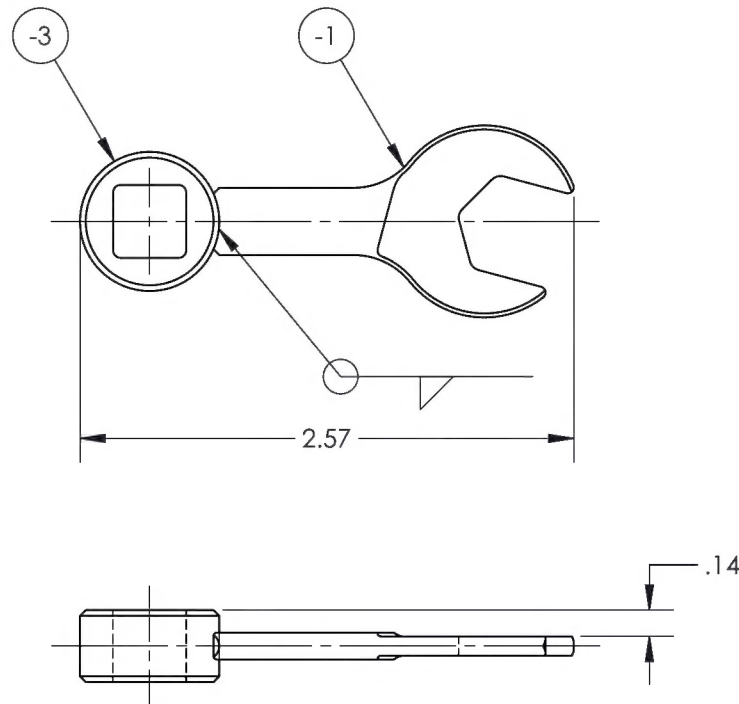
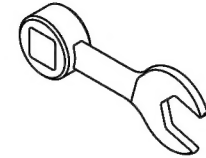


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		RELEASED FOR PRODUCTION.	12/30/2015	DPD	JAG



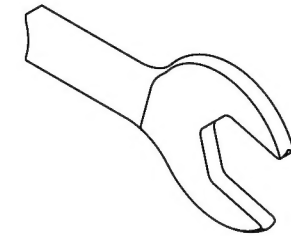
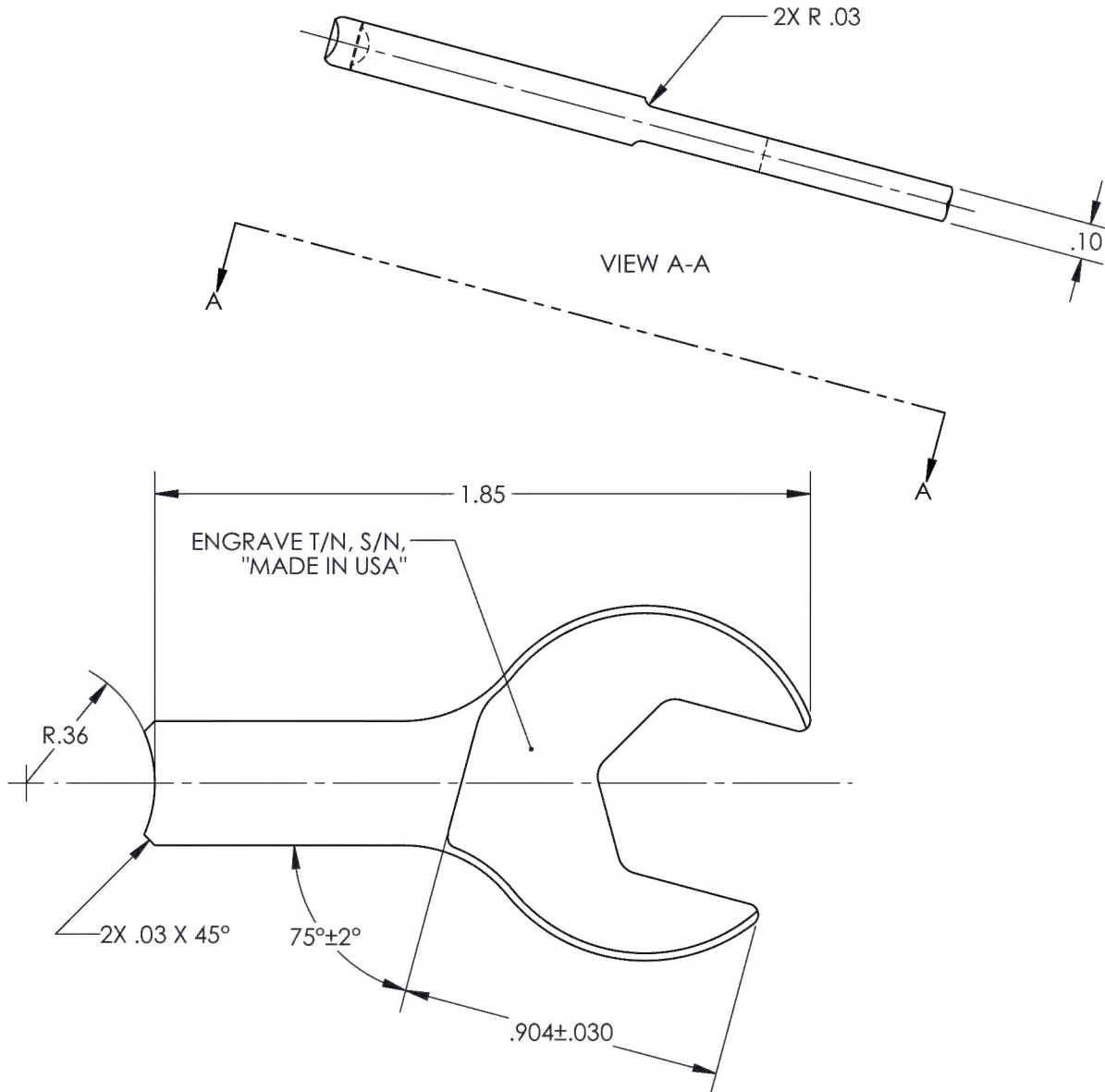
NOTE:
REF. PRATT & WHITNEY T/N: PWC30114-5.

DART AEROSPACE																									
TITLE WRENCH																									
DWG NO. RB PWC30114-5	REV 1																								
<table border="1"> <tr> <td>MAT'L</td> <td>UNLESS OTHERWISE SPECIFIED</td> </tr> <tr> <td>HEAT TREAT</td> <td>DIMENSIONS ARE IN INCHES</td> </tr> <tr> <td>FINISH BLACK OXIDE</td> <td>.XXX ± .010 FRACTIONS ± 1/8</td> </tr> <tr> <td>SPEC</td> <td>.XX ± .03 ANGLES ± 1°</td> </tr> <tr> <td></td> <td>.X ± .1 SURFACES = 125°</td> </tr> <tr> <td>DRAWN BY: DUERFELDT</td> <td>1. BREAK ALL SHARP EDGES</td> </tr> <tr> <td>CHECKED: CLOUGH</td> <td>.015 x 45° OR .015R</td> </tr> <tr> <td>OPPS APPR: ANDERSON</td> <td>2. DIMENSIONAL LIMITS APPLY</td> </tr> <tr> <td>QA APPR: LINDSAY</td> <td>AFTER PLATING</td> </tr> <tr> <td>APPROVED: GILBERT</td> <td>3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009</td> </tr> <tr> <td>SCALE 1:1</td> <td>DATE 2/16/2015</td> </tr> <tr> <td colspan="2" style="text-align: center;">USED ON MODEL PRATT & WHITNEY</td> </tr> </table>		MAT'L	UNLESS OTHERWISE SPECIFIED	HEAT TREAT	DIMENSIONS ARE IN INCHES	FINISH BLACK OXIDE	.XXX ± .010 FRACTIONS ± 1/8	SPEC	.XX ± .03 ANGLES ± 1°		.X ± .1 SURFACES = 125°	DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES	CHECKED: CLOUGH	.015 x 45° OR .015R	OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY	QA APPR: LINDSAY	AFTER PLATING	APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	SCALE 1:1	DATE 2/16/2015	USED ON MODEL PRATT & WHITNEY	
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SCALE 1:1	DATE 2/16/2015																								
USED ON MODEL PRATT & WHITNEY																									

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			-1	1	OPEN END WRENCH	STEEL	1/2 SIZE X 4, 15° (MCMASTER-CARR #5403A12) MODIFIED	2
			-3	1	SQUARE DRIVE	1018/1020		3

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REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED

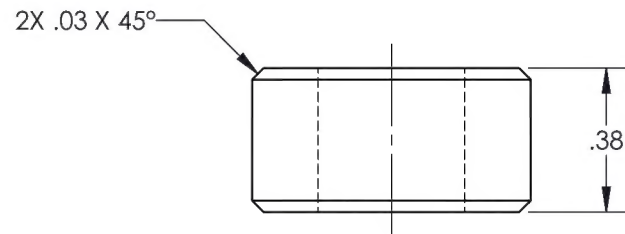
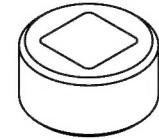
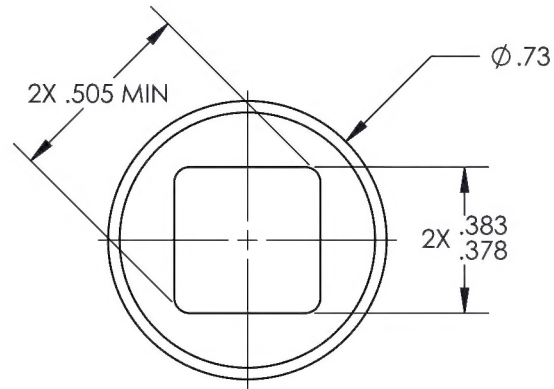


(-1)
OPEN END WRENCH

DART AEROSPACE	
TITLE WRENCH	
DWG NO. RB PWC30114-5-1	REV 1
MAT'L STEEL HEAT TREAT FINISH SEE WELDMENT SPEC	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± .5° .X ± .1 SURFACES = 125°	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: DUERFELDT	USED ON MODEL
CHECKED: CLOUGH	PRATT & WHITNEY
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT	
SCALE 2:1	DATE 2/16/2015
SHEET 2 OF 3	

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



③
SQUARE DRIVE

DART AEROSPACE	
TITLE WRENCH	
DWG NO. RB PWC30114-5-3	REV 1
MAT'L 1018/1020	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE WELDMENT	.XXX \pm .005 FRACTIONS \pm 1/8
SPEC	.XX \pm .01 ANGLES \pm .5°
	.X \pm .1 SURFACES = 125° ✓
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES
CHECKED: CLOUGH	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
SCALE 2:1	DATE 2/16/2015
	SHEET 3 OF 3